### **MWRA**

MWRA Chelsea Facility Two Griffin Way Chelsea, MA 02150 Phone 617-305-5595 Fax 617-371-1616

#### **Board Members**

ACTUARIAL

James M. Fleming, Esq. (Chairperson), Thomas J. Durkin, Kevin McKenna, Andrew Pappastergion, Frank J. Zecha

# **Board Administrator**

Carolyn M. Russo **Board Meeting**Last Thursday of the month,

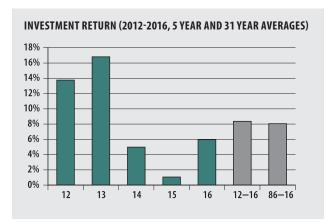
unless otherwise posted



#### ▶ Funded Ratio 98.3% ▶ Date of Last Valuation 01/15 ▶ Actuary The Segal Company ▶ Assumed Rate of Return 7.75% ▶ Funding Schedule 4.5% Increasing ▶ Year Fully Funded 2024 ▶ Unfunded Liability \$7.6 M ► Total Pension Appropriation (Fiscal 2017) \$3.1 M **ACTIVE RETIRED** 1,090 ▶ Number of Members 476 \$85.5 M \$14.6 M ▶ Total Payroll/Benefit \$78,500 \$30,600 ► Average Salary/Benefit 70 52 ▶ Average Age

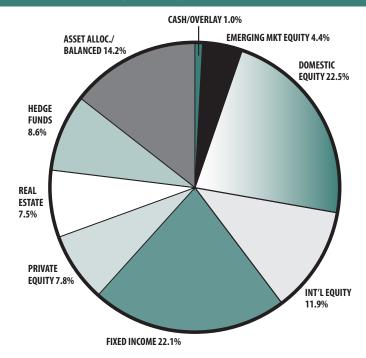
18.2 years

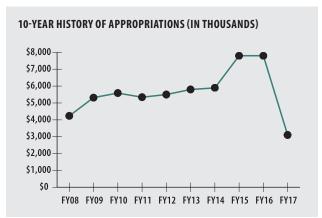
NA



# ASSET ALLOCATION (12/31/16)

▶ Average Service





INVESTMENT RETURN HISTORY		
31 years 2016 8.06%	<b>30 years 2015</b> 8.13%	<b>29 years 2014</b> 8.38%
<b>10 years 2016</b> 5.92%	<b>10 years 2015</b> 6.67%	<b>10 years 2014</b> 7.43%
<u>5 years 2016</u> 8.36%	<b>5 years 2015</b> 7.41%	<b>5 years 2014</b> 9.92%

EARNED INCOME OF DISABILITY RETIREES (201	5)
► Number of Disability Retirees	64
► Number Who Reported Earnings	15
► Number of Excess Earners	0
▶ Total Amount of Refund Due	\$0
▶ 2016 Return	5.96%

▶ 2016 Return	5.96%
▶ 2016 Market Value	\$464.5M
▶ 2012-2016 (Annualized)	8.36%
▶ 1986-2016 (Annualized)	8.06%*